



GAU 1745

Patent
Lynn/0020

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#18/D
4/2/99
JCIN RE APPLICATION OF:
Alan J. Cisar and Oliver J. Murphy

SERIAL NO. 08/787,271

FILED: January 24, 1997

FOR: Bipolar Plates For Electrochemical
Cell Stacks§
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EXAMINER: MAPLES

GROUP ART UNIT: 1745

RECEIVED
APR 1 1999
GROUP ID 1700Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

CERTIFICATE OF MAILING
37 C.F.R. 1.8I hereby certify that this correspondence is being deposited
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D.C. 20231, on the date below:

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Date

Jeff Streets
Signature

RESPONSE TO THE OFFICE ACTION DATED MARCH 16, 1999

In response to the Office Action dated March 16, 1999, having a shortened
statutory period for response set to expire on June 16, 1999, please consider the following
amendments and remarks:

IN THE CLAIMS:

1. (Four Times Amended) A bipolar plate for electrochemical cells, comprising:

SUB
F17 a gas barrier having an electrically conducting pathway extending therethrough,
wherein the gas barrier comprises a polymer;

a porous, electrically conducting member in electrical contact with each side of
the electrically conducting pathway, the member selected from the group consisting of
expanded metal mesh, metal foam, conducting polymer foam, porous conductive carbon